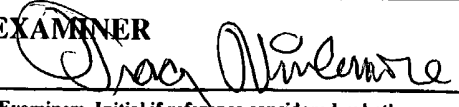


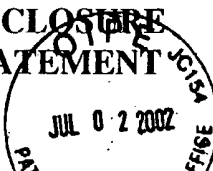
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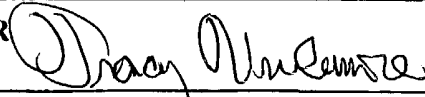
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INFORMATION DISCLOSURE STATEMENT		Atty. Docket No.: 275.0003 0102		Serial No.: 10/038,984			
				Confirmation No. 9705			
		Applicant(s): Yin-Xiong Li et al.					
		Filing Date: January 4, 2002		Group: 1635			
U.S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Name	Class	Filing Date If Appropriate		
TV	5,422,241	06/06/95	Goldrick et al.				
FOREIGN PATENT DOCUMENTS							
	Document Number	Date	Country	Class	SubClass	Translation	
						Yes	No
TV	WO 99/32619	07/01/99	PCT				
	WO 99/38537	08/05/99	PCT				
	WO 99/61631	12/02/99	PCT				
OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)							
TV		Alvarado et al., "Double-stranded RNA specifically disrupts gene expression during planarian regeneration," <i>Proc. Natl. Acad. Sci. USA</i> , 1999; 96:5049-5054.					
		Amirthalingam et al., "Embryonic expression and DNA-binding properties of zebrafish pax-6," <i>Biochem Biophys Res Commun.</i> , 1995; Oct 4; 215(1):122-8.					
		Barstead, "Genome-wide RNAi," <i>Curr Opin Chem Biol.</i> , 2001 Feb; 5(1):63-6.					
		Baulcombe, "RNA silencing. Diced defence," <i>Nature</i> , 2001 Jan 18; 409(6818): 295-6.					
		Bernstein et al., "Role for a bidentate ribonuclease in the initiation step of RNA interference," <i>Nature</i> , 2001 Jan 18; 409(6818):363-6.					
		Bosher et al., "RNA interference: genetic wand and genetic watchdog," <i>Nature Cell Biol.</i> , 2000 Feb; 2(2):E31-E36.					
		Caplen et al., "Specific inhibition of gene expression by small double-stranded RNAs in invertebrate and vertebrate systems," <i>Proc Natl Acad Sci U S A</i> , 2001 Aug 14; 98(17):9742-7.					
		Caplen et al., "dsRNA-mediated gene silencing in cultured <i>Drosophila</i> cells: a tissue culture model for the analysis of RNA interference," <i>Gene</i> , 2000; 252:95-105.					
		Carthew, "Gene silencing by double-stranded RNA," <i>Curr Opin Cell Biol.</i> , 2001 Apr; 13(2):244-8.					
		Depaetere, "Biotechnology: If in doubt, interfere," [online]. <i>Nature News Service: science update</i> , 2000-01-04. Retrieved from the Internet: <URL:helix.nature.com/nsu/000106/000106-5.html> 2 pgs.					

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IV		Fire et al., "Potent and specific genetic interference by double-stranded RNA in <i>Caenorhabditis elegans</i> ," <i>Nature</i> , 1998; 391:806-811.
		Fire, "RNA-triggered gene silencing," <i>Trends Genet.</i> , 1999; 15(9):358-363.
		Grishok et al, "Genetic Requirements for Inheritance of RNAi in <i>C. elegans</i> ," <i>Science</i> , 2000 Mar. 31; 287(5462):2494-2497.
		Guo et al., "par-1, a Gene Required for Establishing Polarity in <i>C. elegans</i> Embryos, Encodes a Putative Ser/Thr Kinase That Is Asymmetrically Distributed," <i>Cell</i> , 1995 May 19; 81:611-620.
		Halpern et al., "Induction of Muscle Pioneers and Floor Plate Is Distinguished by the Zebrafish <i>no tail</i> Mutation," <i>Cell</i> , 1993; 75:99-111.
		Halpern et al. "Genetic Interactions in Zebrafish Midline Development," <i>Dev. Biol.</i> , 1997; 187:154-170.
		Hammond et al., "Post-transcriptional gene silencing by double-stranded RNA," <i>Nat Rev Genet</i> , 2001 Feb; 2(2):110-9.
		Herrmann et al., "Cloning of the <i>T</i> gene required in mesoderm formation in the mouse," <i>Nature</i> , 343:617-622 (1990).
		Iordanov et al., "Activation of NF- κ B by double-stranded RNA (dsRNA) in the absence of protein kinase R and RNase L demonstrates the existence of two separate dsRNA-triggered antiviral programs," <i>Mol Cell Biol.</i> , 2001 Jan; 21(1):61-72.
		Kaufman, "Double-stranded RNA-activated protein kinase mediates virus-induced apoptosis: a new role for an old actor," <i>Proc Natl Acad Sci U S A.</i> , 1999 Oct 12; 96(21):11693-5.
		Kennerdell et al., "Use of dsRNA-Mediated Genetic Interference to Demonstrate that <i>frizzled</i> and <i>frizzled 2</i> Act in the Wingless Pathway," <i>Cell</i> , 1998; 95:1017-1026.
		King et al., "STAT1 is inactivated by a caspase," <i>J Biol Chem.</i> , 1998 Apr 10; 273(15):8699-704.
		Kumar et al., "Antisense RNA: Function and Fate of Duplex RNA in Cells of Higher Eukaryotes," <i>Microbiol. Mol. Biol. Rev.</i> , 1998; 62(4):1415-1434.
		Lau et al., "Embryonic XMap2112 expression is required for gastrulation and subsequent neural development," <i>Biochem Biophys Res Commun.</i> , 2001 Feb 9; 280(5):1378-84.

EXAMINER 	Date Considered 8/25/04
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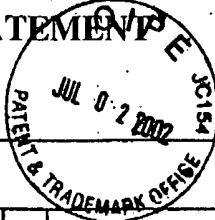
RECEIVED

TV		Lee et al., "A Molecular Titration Assay to Measure Transcript Prevalence Levels," <i>Methods in Enzymology</i> , 1987; 152:633 & 643.
		Li et al., "Double-Stranded RNA Injection Produces Null Phenotypes in Zebrafish," <i>Dev. Biol.</i> , 217(2):394-405 (available in print January 15, 2000; published electronically January 11, 2000).
		Li et al., "Erratum" of <i>Dev Biol</i> 2000 Jan 15;217(2):394-405, appears in <i>Dev. Biol.</i> , 2000 April 15; 220(2):432.
		Li et al., "Induction of necrotic-like cell death by tumor necrosis factor alpha and caspase inhibitors: novel mechanism for killing virus-infected cells," <i>J. Virol.</i> , 2000 August; 74(16):7470-7.
		Li et al., "The RelA(p65) subunit of NF- κ B is essential for inhibiting double-stranded RNA-induced cytotoxicity," <i>J. Biol Chem.</i> , 2001 Jan 12; 276(2):1185-94.
		Liebhauer et al., "Translation inhibition by an mRNA coding region secondary structure is determined by its proximity to the AUG initiation codon," <i>J. Mol Biol.</i> , 1992 Aug 5; 226(3):609-21.
		Melby et al., "Spatial Regulation of <i>floating head</i> Expression in the Developing Notochord," <i>Dev. Dyn.</i> , 1997; 209(2):156-165.
		Montgomery et al., "RNA as a target of double-stranded RNA-mediated genetic interference in <i>Caenorhabditis elegans</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 95:15502-15507 (1998).
		Montgomery et al., "Double-stranded RNA as a mediator in sequence-specific genetic silencing and co-suppression," <i>Trends Genet.</i> , 1998; 14(7):255-258.
		Ngô et al., "Double-stranded RNA induces mRNA degradation in <i>Trypanosoma brucei</i> ," <i>Proc. Natl. Acad. Sci. USA</i> , 1998; 95(25):14687-14692.
		Nishikawa et al., "Targeted disruption of a pupal hemocyte protein of <i>Sarcophaga</i> by RNA interference," <i>Eur J Biochem.</i> , 2001 Oct; 268(20):5295-9.
		Nüsslein-Volhard, "Of Flies and Fishes," <i>Science</i> , 1994; 266(5185):572-574.
		Oates et al., "Too much interference: injection of double-stranded RNA has nonspecific effects in the zebrafish embryo," <i>Dev. Biol.</i> , 2000 Aug 1; 224(1):20-8.
		Pelletier et al., "Photochemical cross-linking of cap binding proteins to eucaryotic mRNAs: effect of mRNA 5' secondary structure," <i>Mol Cell Biol.</i> , 1985 Nov; 5(11):3222-30.
		Rocheleau et al., "Wnt Signaling and an APC-Related Gene Specify Endoderm in Early <i>C. elegans</i> Embryos," <i>Cell</i> , 1997; 90:707-716.
✓		Russell et al., "Double-stranded RNA triggers generalized translational arrest in <i>Xenopus</i> oocytes," <i>Biochem. Biophys. Res. Comm.</i> , 1993; 194(2):892-900.

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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 275.0003 0102	Serial No.: 10/038,984
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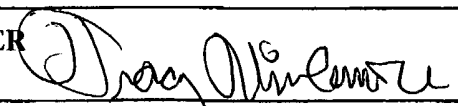


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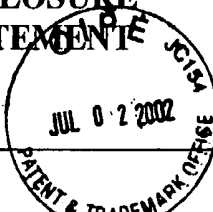
JUL 09 2002

RECEIVED

TV		Schulte-Merker et al., "The protein product of the zebrafish homologue of the mouse <i>T</i> gene is expressed in nuclei of the germ ring and the notochord of the early embryo," <i>Development</i> , 1992 Dec; 116(4):1021-32.
		Schulte-Merker et al., " <i>no tail (ntl)</i> is the zebrafish homologue of the mouse <i>T</i> (<i>Brachyury</i>) gene," <i>Development</i> , 1994 Apr; 120(4):1009-15.
		Sharp et al., "RNA Interference," <i>Science</i> , 2000 Mar. 31; 287(5462):2431-2433.
		Smalheiser, et al., "RNAi and brain function: was McConnell on the right track?" <i>Trends Neurosci.</i> , 2001 Apr; 24(4):216-8.
		Smyth, "Gene silencing: Cosuppression at a distance," <i>Curr. Biol.</i> , 1997; 7(12):R793-795.
		Svoboda et al., "Selective reduction of dormant maternal mRNAs in mouse oocytes by RNA interference," <i>Development</i> , 2000; 127:4147-4155.
		Tabara et al., "RNAi in <i>C. elegans</i> : Soaking in the Genome Sequence," <i>Science</i> , 1998; 282(5388):430-431.
		Timmons et al., "Specific interference by ingested dsRNA," <i>Nature</i> , 1998 Oct.; 395(6705):854.
		Vacca, <i>Laboratory Manual of Histochemistry</i> , Raven Press, New York, 1985, Title page, publication page, table of contents, and pgs. 352-354.
		Wargelius et al., "Double-Stranded RNA Induces Specific Developmental Defects in Zebrafish Embryos," <i>Biochem. Biophys. Res. Comm.</i> , 1999; 263(2):156-161.
		Wassenegger et al., "A model for RNA-mediated gene silencing in higher plants," <i>Plant Mol. Biol.</i> , 1998; 37(2):349-362.
		Waterhouse et al., "Virus resistance and gene silencing in plants can be induced by simultaneous expression of sense and antisense RNA," <i>Proc. Natl. Acad. Sci. USA</i> , 1998; 95(23):13959-13964.
		Weaver et al., "Apoptosis is promoted by the dsRNA-activated factor (DRAF1) during viral infection independent of the action of interferon or p53," <i>FASEB J.</i> 2001 Feb; 15(2):501-15.
		Westerfield, <i>The Zebrafish Book. A guide for the laboratory use of zebrafish (Danio rerio) 3rd edition</i> , [online]. 1993, University of Oregon Press, Eugene, OR. Retrieved from the Internet: <URL:zfish.uoregon.edu/zf%5Finfo/zfbook/zfbk.html>; Title page, Publication page, Table of Contents only, 7 pgs.

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RECEIVED

TV		Wianny et al., "Specific interference with gene function by double-stranded RNA in early mouse development," <i>Nature Cell Biol.</i> , 2:70-75 (available in print February 2000; published electronically December 23, 1999).
		Wilkinson, "Whole mount <i>in situ</i> hybridization of vertebrate embryos," <i>In situ hybridization, a practical approach</i> , Rickwood et al., eds., IRL Press, Oxford, 1992, Title page, publication page, table of contents, and pgs. 75-83.
		Willett et al., "Expression of zebrafish <i>rag</i> genes during early development identifies the thymus," <i>Dev Biol.</i> , 1997 Feb 15; 182(2):331-41.
		Xie et al., "A ribozyme-mediated, gene "knockdown" strategy for the identification of gene function in zebrafish," <i>Proc. Natl. Acad. Sci. USA</i> , 1997; 94(25):13777-13781.
		Yang et al., "Specific double-stranded RNA interference in undifferentiated mouse embryonic stem cells," <i>Mol Cell Biol.</i> , 2001 Nov; 21(22):7807-16.
		Yeung et al., "Inhibitory role of the host apoptogenic gene PKR in the establishment of persistent infection by encephalomyocarditis virus in U937 cells," <i>Proc Natl Acad Sci U S A</i> , 1999 Oct 12; 96(21):11860-5.
		Zamore, "RNA interference: listening to the sound of silence.," <i>Nat Struct Biol.</i> , 2001 Sep; 8(9):746-50.
↓		Zhao et al., "Double-Stranded RNA Injection Produces Nonspecific Defects in Zebrafish," <i>Developmental Biology</i> , 2001; 229:215-223.

EXAMINER 	Date Considered 8/25/04
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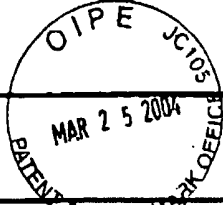
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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 275.00030102	Serial No.: 10/038,984
	Applicant(s): Li et al.	Confirmation No.: 9705
	Application Filing Date: January 4, 2002	Group: 1635
	Information Disclosure Statement mailed: March 23, 2004	



U.S. PATENT DOCUMENTS

Examiner Initial	Trade Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
TV		4,897,355	01/30/90	Eppstein et al.	435	240.2	
		5,107,065	04/21/92	Shewmaker et al.	800	205	
		5,264,618	11/23/93	Felgner et al.	560	224	
		5,279,833	01/18/94	Rose	424	450	
		5,283,184	02/01/94	Jorgensen et al.	435	172.3	
		5,283,185	02/01/94	Epand et al.	435	172.3	
		5,459,127	10/17/95	Felgner et al.	514	7	
		5,583,021	12/10/96	Dougherty et al.	435	172.3	
		5,837,533	11/17/98	Boutin	435	300.1	
		5,922,602	07/13/99	Kumagai et al.	435	468	
		5,932,241	08/03/99	Gorman	424	450	
		6,127,170	10/03/00	Boutin	435	320.1	
		5,981,505	11/09/99	Weiner et al.	514	44	
		6,217,900	04/17/01	Ciccarelli et al.	424	450	
		6,482,804	11/19/02	Musunuri et al.	514	44	
		6,506,559	01/14/03	Fire et al.	435	6	
		US 2002/0114784 A1	08/22/02	Li et al.	424	93.2	
		US 2002/0173478 A1	11/21/02	Gerwitz et al.	514	44	
		US 2002/0162126 A1	10/31/02	Beach et al.	800	8	
		US 2003/0056235 A1	03/20/03	Fire et al.	800	8	
		US 2003/0051263 A1	03/13/03	Fire et al.	800	13	
		US 2003/0084471 A1	05/01/03	Beach et al.	800	278	
		US 2003/0180756 A1	09/25/03	Shi et al.	435	6	

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D. W. Wilkerson

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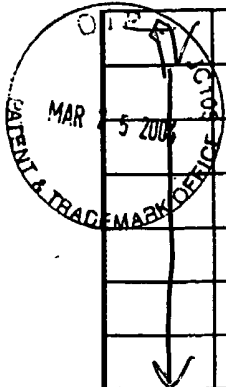
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		US 2003/0228691 A1	12/11/03	Lewis et al.	435	375	
		US 2003/0027783 A1	02/06/03	Zernicka-Goetz et al.	514	44	
		US 2004/0018999 A1	01/29/04	Beach et al.	514	44	

FOREIGN PATENT DOCUMENTS

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TV	X	AU 199919380	07/12/99	Australia	—	—		
	X	AU 199929163	10/18/99	Australia	—	—		
	X	DE 101 00586	04/11/02	Germany (incl. English Abstract)	—	—		
	X	EP 0242016	10/21/87	Europe	—	—		
	X	WO 96/20951	07/11/96	PCT	—	—		
	X	WO 97/35965	10/02/97	PCT	—	—		
	X	WO 97/48793	12/24/97	PCT	—	—		
	X	WO 98/05770	02/12/98	PCT	—	—		
	X	WO 98/36083	08/20/98	PCT	—	—		
	X	WO 99/61636	12/02/99	PCT	—	—		
	X	WO 99/49029	09/30/99	PCT	—	—		
	X	WO 99/53050	10/21/99	PCT	—	—		
	X	WO 99/32619	07/01/99	PCT	—	—		
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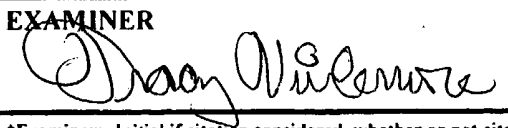
EXAMINER <i>Diana Ambrose</i>	Date Considered <i>8/25/04</i>
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	X	WO 00/49035	08/24/00	PCT	<u> </u>	<u> </u>		
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	X	WO 01/36646	05/25/01	PCT	<u> </u>	<u> </u>		
	X	WO 01/75164	10/11/01	PCT	<u> </u>	<u> </u>		
	X	WO 01/68836	09/20/01	PCT	<u> </u>	<u> </u>		
	X	WO 01/88121	11/21/01	PCT	<u> </u>	<u> </u>		

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copy Enclosed	Document Description
TV	X	Angell et al., "Consistent gene silencing in transgenic plants expressing a replicating potato virus X RNA," <i>EMBO J.</i> , 1997;16(12): 3675-3684.
	X	Bahramian et al., "Transcriptional and Posttranscriptional Silencing of Rodent $\alpha 1(I)$ Collagen by a Homologous Transcriptionally Self-Silenced Transgene," <i>Molecular and Cellular Biology</i> , Jan 1999;19(1): 274-283.
	X	Baulcombe, David C., "Gene Silencing: RNA makes RNA makes no protein," <i>Current Biology</i> , 1999;9: R599-R601.
	X	Baulcombe, David C., "Mechanisms of Pathogen-Derived Resistance to Viruses in Transgenic Plants," <i>The Plant Cell</i> , October 1996;8: 1833-1844.
	X	Baulcombe et al., "Ectopic pairing of homologous DNA and post-transcriptional gene silencing in transgenic plants," <i>Plant Biotechnology</i> , 1996;7: 173-180.
	X	Benfey et al., "Regulated Genes in Transgenic Plants," <i>Science</i> , 14 April 1989;244: 174-181.
	X	Branch, Andrea D., "A good antisense molecule is hard to find," <i>Trends in Biochem. Sci.</i> , February 1998;23:45-50.
	X	Bruening, G., "Plant gene silencing regularized," <i>Proc. Natl. Acad. Sci. USA</i> , November 1998;95: 13349-13351.
	X	Cartea et al., "Comparison of sense and antisense methodologies for modifying the fatty acid composition of <i>Arabidopsis thaliana</i> oilseed," <i>Plant Science</i> , 1998;136: 181-194.

EXAMINER 	Date Considered 8/25/04
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Examiner Initial	Copy Enclosed	Document Description
TV	X	Cogoni et al., "Posttranscriptional Gene Silencing in <i>Neurospora</i> by a RecQ DNA Helicase," <i>Science</i> , 17 December 1999;286: 2342-2344.
	X	Cogoni et al., "Gene silencing in <i>Neurospora crassa</i> requires a protein homologous to RNA-dependent RNA polymerase, <i>Nature</i> , 13 May 1999; 399: 166-169.
	X	Crooke, Stanley T., <i>Antisense Research and Application</i> , Published by Springer-Verlang, Chapter 1: 1-50.
	X	Crystal Ronald G., "Transfer of Genes to Humans: Early Lessons and Obstacles to Success," <i>Science</i> , 1995; 270: 404-410.
	X	Ding et al., "Cell-to-Cell movement of potato spindle tuber viroid," <i>The Plant Journal</i> , 1997;12: 931-936.
	X	Dougherty et al., "Transgenes and gene suppression: telling us something new?," <i>Current Opinion in Cell Biology</i> , 1995;7: 399-405.
	X	Elbashir et al., "Duplexes of 21-nucleotide RNAs mediate RNA interference in cultured mammalian cells," <i>Nature</i> , May 24 2001;411(6836): 494-498.
	X	Fire et al., "Production of antisense RNA leads to effective and specific inhibition of gene expression in <i>C. elegans</i> muscle," <i>Development</i> , 1991;113: 503-514.
	X	Flavell, R.B., "Inactivation of gene expression in plants as a consequence of specific sequence duplication," <i>Proc. Natl. Acad. Sci. USA</i> , April 1994;91: 3490-3496.
	X	Friedmann, "Overcoming the Obstacles," <i>Scientific American</i> , June 1997: 96-101.
	X	Gale et al., "Translational Control of Viral Gene Expression in Eukaryotes," <i>Microbiology and Molecular Biology Reviews</i> , June 2000;64: 239-280.
	X	Ghislain et al., "The Interferon-Inducible Stat2:Stat1 Heterodimer Preferentially Binds <i>In Vitro</i> to a consensus Element Found in the Promoters of a Subset of Interferon-Stimulated Genes," <i>J of Interferon Cytokine Res.</i> , 2001;21: 379-388.
✓	X	Grant, Sarah R., "Dissecting the Mechanisms of Posttranscriptional Gene Silencing: Divide and Conquer," <i>Cell</i> , 5 February 1999;96: 303-306.

EXAMINER




Date Considered

8/25/04

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 275.00030102	Serial No.: 10/038,984
	Applicant(s): Li et al.	Confirmation No.: 9705
	Application Filing Date: January 4, 2002	Group: 1635
	Information Disclosure Statement mailed: March <u>23</u> , 2004	

Examiner Initial	Copy Enclosed	Document Description
TV	X	Hamilton et al., "A species of Small Antisense RNA in Posttranscriptional Gene Silencing in Plants," <i>Science</i> , 29 October 1999;286:950-952.
	X	Hamada et al., "Co-suppression of the hydrophobin gene <i>Hcf-1</i> is correlated with antisense RNA biosynthesis in <i>Cladosporium fulvum</i> ," <i>Mol Gen Genet.</i> , 1998;259: 630-638.
	X	Hartmann et al., "Activation of 2'-5' Oligoadenylate Synthetase by Single-stranded and Double-stranded RNA Aptamers," <i>Journal of Biological Chem.</i> , 6 February 1998;273(6): 3236-3246.
	X	Jaramillo et al., "The Interferon System: A review with Emphasis on the Role of PKR in Growth Control," <i>Cancer Invest.</i> , 1995;13(3) : 327-338.
	X	Jensen et al., "Cosuppression of <i>I</i> Transposon Activity in <i>Drosophila</i> by <i>I</i> -Containing Sense and Antisense Transgenes," <i>Genetics</i> , December 1999;153: 1767-1774.
	X	Jorgensen et al., "An RNA-Based Information Superhighway in Plants," <i>Science</i> , 6 March 1998;279: 1486-1487.
	X	Ketting et al., " <i>mut-7</i> of <i>C. elegans</i> , Required for Transposon Silencing and RNA Interference, Is a Homolog of Werner Syndrome Helicase and RnaseD," <i>Cell</i> , 16 October 1999;99: 133-141.
	X	Kooter et al., "Listening to the silent genes: transgene silencing, gene regulation and pathogen control," <i>Trends in Plant Science</i> , September 1999;4(9): 340-347.
	X	Kumagai et al., "Cytoplasmic inhibition of carotenoid biosynthesis with virus-derived RNA," <i>Proc. Natl. Acad. Sci. USA</i> , February 1995;92: 1679-1683.
	X	Lindbo et al., "Induction of a Highly Specific Antiviral State in Transgenic Plants: Implications for Regulation of Gene Expression and Virus Resistance," <i>The Plant Cell</i> , December 1993;5: 1749-1759.
	X	Matzke et al., "Epigenetic silencing of plant transgenes as a consequence of divers cellular defence responses," <i>Cell Mol Life Sci</i> , 1998;54: 94-103.
✓	X	Metzlaff et al., "RNA-Mediated RNA Degradation and Chalcone Synthase A Silencing in <i>Petunia</i> ," <i>Cell</i> , March 21, 1997;88:845-854.

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Examiner Initial	Copy Enclosed	Document Description
TV	X	Misquitta et al., "Targeted disruption of gene function in <i>Drosophila</i> by RNA interference (RNA-i): A role for <i>nautilus</i> in embryonic somatic muscle formation," <i>Proc. Natl Acad. Sci. USA</i> , February 1999;96: 1451-1456.
	X	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_030627, Accession No. NM_030621, "Homo sapiens Dicer1, Dcr-1 homolog (<i>Drosophila</i>) (Dicer1), transcript variant 2, mRNA" [online]. Bethesda, MD [retrieved on 2003 December 19]. Retrieved from the Internet:<URL:www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=29294648&dopt=GenBank&term=NM_030621&qty=1>; 9 pgs.
	X	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_148948, Accession No. NM_148948, "Mus musculus Dicer1, Dcr-1 homolog (<i>Drosophila</i>) (Dicer1), mRNA," [online]. Bethesda, MD [retrieved on 2003 December 19]. Retrieved from the Internet:<URL:www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=22507358&dopt=GenBank&term=NM_148948&qty=1>; 6 pgs.
	X	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus NM_003733, Accession No. NM_003733, "Homo sapiens 2'-5'-oligoadenylate synthetase-like (OASL), transcript variant 1, mRNA," [online]. Bethesda, MD [retrieved on 2003 December 19]. Retrieved from the Internet:<URL:www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=38016933&dopt=GenBank&term=NM_003733&qty=1>; 4 pgs.
	X	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus HUMP68A, Accession No. M35663, "Human p68 kinase mRNA, complete cds.," [online]. Bethesda, MD [retrieved on 2003 December 19]. Retrieved from the Internet:<URL:www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=189505&dopt=GenBank&term=M35663&qty=1>; 3 pgs.

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	Applicant(s): Li et al.	Confirmation No.: 9705
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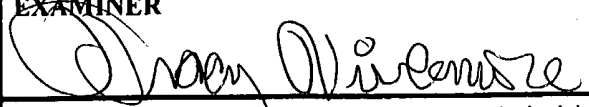
Examiner Initial	Copy Enclosed	Document Description
TV	X	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus XM_010893, Accession No. XM_010893, "Homo sapiens signal transducer and activator of transcription 1, 91kD (STAT1), mRNA," [online]. Bethesda, MD [retrieved on 2003 December 19]. Retrieved from the Internet:<URL:www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=20533804&dopt=GenBank&term=NLM_010893&qty=1>; 4 pgs.
	X	National Center for Biotechnology Information, National Library of Medicine, National Institutes of Health, GenBank Locus S72725, Accession No. S72725, "E2/NS1=enzyme glycoprotein [hepatitis C virus HCV, agammaglobulinemic patient isolate, Genomic RNA, 441 nt]," [online]. Bethesda, MD [2003 December 19]. Retrieved from the Internet:<URL:www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=nucleotide&list_uids=619405&dopt=GenBank&term=S72725&qty=1>; 2 pgs.
	X	Pachuk et al., "DNA vaccines-challenges in delivery," <i>Current Opinion in Molecular Therapeutics</i> , 2002;2(2): 188-198.
	X	Pachuk et al., "Characterization of a new class of DNA delivery complexes formed by the local anesthetic bupivacaine," <i>Biochim. Biophys. Acta</i> , 2000;1468: 20-30.
	X	Paddison et al., "Stable Suppression of gene expression by RNAi in mammalian cells," <i>Proc Natl Acad Sci USA</i> , 5 February 2002;99(3): 1443-1448.
	X	Palauqui et al., "Systemic acquired silencing: transgene-specific post-transcriptional silencing is transmitted by grafting from silenced stocks to non-silenced scions," <i>The EMBO Journal</i> , 1997;16(15): 4738-4745.
	X	Ratcliff et al., "A similarity Between Viral Defense and Gene Silencing in Plants," <i>Science</i> , 1997;276: 1558-1560.
	X	Romano et al., "Inhibition of Double-Stranded RNA-Dependent Protein Kinase PKR by Vaccinia Virus E3: Role of Complex Formation and the E3 N-Terminal Domain," <i>Molecular and Cellular Biology</i> , December 1998;18(12): 7304-7316.
✓	X	Ruiz et al., "Homology-dependent Gene Silencing in <i>Paramecium</i> ," <i>Molecular Biology of the Cell</i> , April 1998;9:931-943.

EXAMINER Tracy W. Wenzel	Date Considered 8/25/04
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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 275.00030102	Serial No.: 10/038,984
	Applicant(s): Li et al.	Confirmation No.: 9705
	Application Filing Date: January 4, 2002	Group: 1635
	Information Disclosure Statement mailed: March 23, 2004	

Examiner Initial	Copy Enclosed	Document Description
TV	X	Ruiz et al., "Initiation and Maintenance of Virus-Induced Gene Silencing," <i>The Plant Cell</i> , June 1998;10:937-946.
	X	Schiebel et al., "Isolation of an RNA-Directed RNA Polymerase-Specific CDNA Clone from Tomato," <i>The Plant Cell</i> , December 1998;10:2087-2101.
	X	Schofield et al., "Non-viral approaches to gene therapy," <i>British Medical Bulletin</i> , 1995;51(1): 56-71.
	X	Stam et al., "Post-transcriptional Silencing of Chalcone Synthase in Petunia By Inverted Transgene Repeats," <i>The Plant Cell</i> , 1997;12(1):63-82.
	X	Tabara et al., "The <i>rde-1</i> Gene, RNA interference, and Transposon Silencing in <i>C. elegans</i> ," <i>Cell</i> , October 1999;99:123-132.
	X	Timmons et al., "Specific Interference by ingested dsRNA," <i>Nature</i> , 1998;395(6705): 854.
	X	Tuschl et al., "Targeted mRNA degradation by double-stranded RNA in vitro," <i>Genes & Development</i> , 1999;13:3191-3197.
	X	Van Blokland et al., "Transgene-mediated suppression of chalcone synthase expression in <i>Petunia hybrida</i> results from an increase in RNA turnover," <i>The Plant Journal</i> , 1994;6: 861-877.
	X	Verma et al., "Gene therapy- promises, problems and prospects," <i>Nature</i> , 18 September 1997;389:239-242.
	X	Voinnet et al., "Systemic signalling in gene silencing," <i>Nature</i> , 9 October 1997;389: 553.
	X	Voinnet et al., "Systemic Spread of sequence -Specific Transgene RNA Degradation in Plants is Initiated by Localized Introduction of Ectopic Promoterless DNA," <i>Cell</i> , October 1998;95:177-187.
	X	Wagner et al., "Double-Stranded RNA poses puzzle," <i>Nature</i> , 1998;391:744-745.
	X	Wassenegger et al., "RNA-directed De Novo Methylation of Genomic Sequences in Plants," <i>Cell</i> , 11 February 1994;76:567-576.
V	X	Willert et al., "A <i>Drosophila</i> Axin homolog, <i>Daxin</i> , inhibits Wnt signaling," <i>Development</i> , 1999;126: 4165-4173.

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**INFORMATION
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STATEMENT**

Atty. Docket No.: 275.00030102

Serial No.: 10/038,984

Applicant(s): Li et al.

Confirmation No.: 9705

Application Filing Date: 4 January 2002

Group: 1635

Information Disclosure Statement mailed:

April 29, 2003



U.S. PATENT DOCUMENTS

Examiner Initial	Copies Enclosed	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
TV	X	US 2002/0132257 A1	09/19/02	Giordano et al.	435	6	

FOREIGN PATENT DOCUMENTS

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							Yes	No
		None						

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copies Enclosed	Document Description
TV	X	Ui Tei et al., "Sensitive assay of RNA interference in <i>Drosophila</i> and Chinese hamster cultured cells using firefly luciferase gene as target," <i>FEBS Letters</i> , 2000;479: 79-82.

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EXAMINER 	Date Considered Aug. 25, 2004
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INFORMATION DISCLOSURE STATEMENT	Atty. Docket No.: 275.0003 0102	Serial No.: 10/038,984
	Applicant(s): LI et al.	Confirmation No.: 9705
	Application Filing Date:	Group: 1635
	Information Disclosure Statement mailed: May 18, 2004	

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date If Appropriate
	None					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
	None						

OTHER DOCUMENTS (Including Authors, Title, Date, Pertinent Papers, etc.)

Examiner Initial	Copies Enclosed	Document Description
TV	X	Katze, "Regulation of the Interferon-Induced PKR: can viruses cope?". Trends in Microbiology. Vol. 3, No. 2, February 1995, pp. 75-78
↓	X	Proud, "PKR: a new name and new roles". Trends in Biochemical Sciences. June 1995, Volume 20, No. 6, pp. 241-246

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